New pattern clinical study of adverse drug reaction to ART may lead to chase drug discovery in anti-retroviral drug towards zero adverse drug reaction

Rahul Hajare


ART drug is widely used Anti-HIV agents. Of these, molecular recognition in their molecular nucleus interacts with diacylpyrimidine, benzoxazinone, heterocyclic most present in ART. Apart from these, some hetero atom along with some special core group have been reported. They are effective and not very costly, though there are also possibilities of ART adverse reactions common with use of ART. Cross reactivity between for example Etiravirine and Rilpivirine, earlier reported may exceed 30%. Common adverse drug reaction for highly protein bound ART, includes hypersensitivity reactions were characterized by rash, fever and sometimes organ involvement including, but not limited to, severe rash or rash accompanied by fever, general malaise, fatigue, muscle or joint aches, blisters, oral lesions, conjunctivitis, hepatitis and eosinophilia. Indices were included. Adverse drug reactions caused by drugs belonging to no longer their therapeutic effect or alter their adverse events profile. Hence, this study has undertaken to promote health care setting, so researcher movement initially began inside hospitals and clinics. This study adverse drug reaction has setting drug discovery in HIV technology in collaboration with microbiologist, physicians, pharmacist, nurse practitioners and other healthcare professionals then there is adverse reactions could have been prevented or may lead to zero adverse reaction ART. Also, this study has shown of critical analyzing the clinical profile of these reactions, grading them and trying to figure out ways to deliver actual drug discovery to prevent these adverse reactions. Reports were messaged to see clinical pharmacist stating explicitly that the clinical pharmacist cares for patients in all health care settings emphasizes two points: that clinical pharmacist provides care to their patients and that this practice can occur in any practice setting. The study aims to assess the role of clinical pharmacist in identification and reporting of adverse drug reactions in antiretroviral therapy and consideration of new pattern clinical study.

Key Words: HIV technology, adverse drug reaction, antiretroviral therapy

METHODS

Objectives

This article provides an overview of adverse drug reaction to ART and its use in the management of drug discovery trials.

Data sources

A literature search of PubMed and Scopus using key words such as ART, drug discovery, adverse drug reaction and were conducted in October 2015. There was no exception made to limit inclusion of relevant clinical trials and the trials referenced were published between February 2004 and October 2016. However, clinical justification for the use of this study in treatment of ART and itsADR were selected from physicians, scientists, clinical pharmacist and it was 200 patients sample (1,2).

Inclusion criteria

Patients with aging above 19 years. Patients having previous history of medical, medication problems in ART. The patients who are willing to take part in the study without any hesitation. Patients who are not willing to participate in the study without any hesitation.

Study pattern

Most scrutinized clinical study was collected from PubMed and Scopus (3,4). This database has been curated using parallel and unparalleled result for all most all type of adverse drug reaction. It has therefore necessary to identify those drugs for demonstration of compliance. This new clinical study of adverse drug reaction to ART can produce certain drug discovery and excitement of this pattern has that drug failed in their proposed activities due to resistance and negative balance in their adverse drug reaction best things to use the available clinical resources and recycle them. So it has consistent drug development and single max variable result towards ART with combinations will make actual drug discovery (5,6).

Age wise distribution of male population

In this study total of 200 patients were enrolled, we have not seen death in the study. The males population is 110. The age wise male patients population ranges from 4 (7.27) patients were in the age group of 20-30 years, 54 (98.18) patients were in the age group of 30-40 years, 24 (43.63) patients were in the age group of 40-50 years, 18 (32.72) patients were in the age group of 50-60 years, 10 (18.18) patients were in the age group of 60-70 years (7,8) (Figure 1 and Table 1).

Age wise distribution of female population

In this study total of 200 patients were enrolled in the study. The Females population is 90. The age wise Female patients population ranges from 0 patients were in the age group of 20-30 and 32 (71.11) patients were from 30-40 years, 38 (84.44) patients were in the age group of 40-50 years and 10 (22.22) patients were in the age group of 50-60 years and 6 (13.32) patients were in the age group of 60-70 years, 4 (8.88) patients were in the age group of 70-80 years, 0 patients were in the age group of 80-90 years (9,10) (Figure 2 and Table 1).
drug and they are therefore characterized by profiling in chemical structure (11,12). They are dose-related and usually mild, although they may be serious or even fatal. Such reactions are usually due to when drug elimination is compromise and drug has not been efficiently identifying drug-disease interactions. Even through drug related problems were founded but after reporting information to physicians we are minimizing harmful to patients. In future clinical pharmacy services are one of the effective services in hospital to improve the quality of life of HIV patient’s in the hospital. It is hoped that with the introduction of a new role, the situation for patient living with HIV AIDS in the hospitals in India will continue to improve and includes less relocation of PLHA (13) (Table 2). This also shows the outstanding importance of inpatient care in PLHA and provided indications that the patient’s life could lead to less relocation, because relocation basically means risks and stress for all concerned adverse drug reaction. A comparison of the Type A, Type B, Type C. Type G, Type H characterized in this study with the earlier reported in Table 3, types and number of adverse drug reactions forms suggested that all five characterized ADRS are novel clinical studies. We have also identified patients where previous history was positive for ADRS to similar drugs. So medication history plays a major role in preventing ADRS. Adequate previous history, when available can lead to avoidance of risky drugs and safeguard the lives of the patient. Hence, patients have to be encouraged to update knowledge with them and details of the drugs to which they are known or unknown to be ADRS and our study concluded that ART was the drugs that caused the maximum ADRS (Figure 3). So there is a need to be existential drug discovery to meet the right drug at right time to represents a single physical molecule of the compound to reduce the incidences of ADRs to the ART.

CONCLUSION

Other side of this study concludes clinically important ARV interactions are frequently observed in clinical practice, and often they can be anticipated by knowledge of the underlying mechanism. Whenever possible, these interactions should be prevented by avoiding the unnecessary (as evidence by ADR ART) use of poly-ART and by selecting co medications which are less likely to interact. If the use of potentially interacting drugs cannot be avoided, adverse clinical consequences may be minimized, as appropriate, by individualized dose adjustments guided by careful monitoring of clinical response and measurement of drug concentrations. There will be need to estimate the Etravirine and Rilpivirine levels through the method of analytical engineering that can resolve the status of the functional group lead adverse drug reaction.

ACKNOWLEDGEMENT

Renowned scientist Dr. R.S. Paranjape for data collection and guidance achieved for manuscript preparation.
New pattern clinical study of adverse drug reaction to ART may lead to chase drug discovery in anti-retroviral drug towards zero adverse drug reaction

REFERENCES


